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prior art*

Express Mail No.: **EM 061 022 353 US**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Schaefer et al.

Serial No.: 09/274,032

Group Art Unit: 2878

Filed: March 22, 1999

Examiner: To be assigned

For: EARLY DETECTION OF
INFLAMMATION USING
INFRARED THERMOGRAPHY

Attorney Docket No.: 9720-008

**INFORMATION DISCLOSURE STATEMENT UNDER
37 C.F.R. § 1.56 and § 1.97**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

In accordance with the continuing duty of disclosure imposed by 37 CFR § 1.56 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorneys for Applicants hereby direct the Examiner's attention to References AA to AX listed on the attached revised form PTO 1449. Per 37 C.F.R. §1.98 (a)(2), no copy of Reference AA, a U.S. patent application, is provided. Copies of References AB-AX are enclosed herewith.

Identification of the listed references is not to be construed as an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application. Consequently, Applicants respectfully decline to use form PTO-1449, since this form identifies all of the references cited therein as "Prior Art." As an

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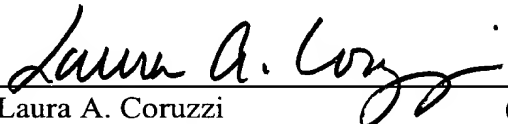
alternative, Applicants submit herewith a "revised form PTO 1449" entitled "List of References Cited" instead of "List of Prior Art Cited."

Applicants respectfully request that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

Pursuant to 37 CFR § 1.97(b), since this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits, it is submitted that no fee is due in connection herewith. However, should the Patent and Trademark Office determine otherwise, please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150.

Respectfully submitted,

Date: October 14, 1999


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LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

9720-008

APPLICATION NO.

09/274,032

APPLICANT

Schaefer et al.

FILING DATE

March 22, 1999

GROUP

2878

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	60/039,202	3/17/97	Schaefer and Tong			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AB	Arnold et al., 1989, "Infra-Red Surface Thermography. Evaluation of a New Radiometry Instrument for Measuring Skin Temperature Over Joints", Clin. Rheumatol. 8:225-230
AC	Bacon et al., 1976, "Thermography in the Assessment of Inflammatory Arthritis", Clinics in Rheumatic Dis. 2:51-65
AD	Cena and Clark, 1973, "Thermographic Measurements of the Surface Temperatures of Animals", J. Mammalogy 54:1003-1007
AE	DeSilva et al., 1986, "Assessment of Inflammation in the Rheumatoid Knee Joint: Correlation between Clinical, Radioisotopic, and Thermographic Methods", Ann. Rheum. Dis. 45:277-280
AF	Devereaux et al., 1985, "Disease Activity Indexes in Rheumatoid Arthritis; a Prospective, Comparative Study with Thermography", Ann. Rheum. Dis. 44:434-437
AG	Eichel, 1986, "Study of the Temperature Behaviour of the Udder and Teat Skin by Liquid Crystal Thermography", Naturwissenschaftliche Reihe 35:339-345 (in German with English summary)
AH	Esselinckx et al., 1978, "A Thermographic Assessment of Three Intra-Articular Prednisolone Analogues Given in Rheumatoid Synovitis", Br. J. Clin. Pharmacol. 5:447-451
AI	Fujishima et al., 1994, "Quantitative Evaluation of Postsurgical Inflammation by Infrared Radiation Thermometer and Laser Flare-Cell Meter", J. Cataract Refract. Surg. 20:451-454
AJ	Gaughan, 1998, "Thermal Imaging is Gaining Acceptance as a Diagnostic Tool", Biophotonics Intl. Nov./Dec.:48-53
AK	Hamann, 1985, "Measurement of Machine Milking Induced Teat Tissue Reactions", Milchwissenschaft. 40:16-18
AL	Hamann and Duck, 1984, "First Results from Measuring the Temperature of Teats Using IR Thermography", Die Milchpraxis 22:148-152 (in German with English translation)
AM	Hurnik et al., 1984, "Detection of Health Disorders in Dairy Cattle Utilizing a Thermal Infrared Scanning Technique", Can. J. Anim. Sci. 64:1071-1073
AN	Purohit et al., 1980, "Thermography in the Diagnosis of Inflammatory Processes in the Horse", Am. J. Vet. Res. 41:1167-1174
AO	Purohit et al., 1980, "Thermographic Diagnosis of Horner's Syndrome in the Horse", Am. J. Vet. Res. 41:1180-1182

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	AQ	Ring, 1975, "Thermography and Rheumatic Diseases", Bibl. Radiol. <u>6</u> :97-106
	AR	Salisbury et al., 1983, "Heat Distribution Over Normal and Abnormal Joints - Thermal Pattern and Qualification", Ann. Rheumatic Dis. <u>42</u> :494-499
	AS	Silberstein et al., 1975, "Thermographically Measured Normal Skin Temperature Asymmetry in the Human Male", Cancer <u>36</u> :1506-1510
	AT	Tsykalo et al., 1982, "Diagnosis of Udder Diseases by the Method of Liquid Crystal Thermography", Veterinariya, Moscow, USSR <u>7</u> :49-50 (in German with English translation)
	AU	Turner, 1983, "Thermographic Evaluation of Horses with Podotrochlosis", Am. J. Vet. Res. <u>44</u> :535-539
	AV	Vaden et al., 1980, "Thermography: A Technique for Subclinical Diagnosis of Osteoarthritis", Am. J. Vet. Res. <u>41</u> :1175-1179
	AW	White et al., 1987, "The Use of Infrared Thermography in the Evaluation of Oral Lesions", Int. J. Tiss. Reac. <u>IX</u> :105-114
AX	Yang and Yang, 1992, "Literature Survey on Biomedical Applications of Thermography", Bio-Medical Materials And Engineering <u>2</u> :7-18	
EXAMINER		DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609 ; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		